


Commonwealth of Kentucky

Energy and Environment Cabinet

Division of Water
**Construction Application
For Drinking Water Distribution**

See the instructions for more information about selected portions of this checklist.

 Questions on completing this checklist? Contact the Water Infrastructure Branch at 502/564-3410 or visit our website at <http://www.water.ky.gov/dw> for more information.

I. Construction Project Information

Project Name: _____

Project County: _____ Estimated Project Cost: \$ _____

Project Latitude/Longitude (DMS): _____

11 Digit Hydrologic Unit Code (HUC): _____

Is this a federally funded project:

☐ DWSRF

☐ SPAP

☐ Other: _____

If yes, has an Environmental Information Document been reviewed and approved? _____

If the project has been submitted to the State Clearinghouse for review, provide the SAI number: _____

Identify all other funding sources: _____

Does the project contain any of the following:

☐ Booster Pump Stations

☐ Water Storage Tanks

☐ Waterlines

Waterline Material	Waterline Size	Linear Feet

Provide a brief description of the work to be performed for waterlines less than 10,000 linear feet. All other distribution projects should be accompanied by a DETAILED project description. _____

Identify how the sanitary wastewater produced as a result of this project will be handled:

- ☐ Sanitary Sewer WWTP: _____
- ☐ Septic Tank
- ☐ Other: _____

II. Utility Information

Utility Name: _____ PWSID: _____

Street Address: _____ County: _____

City, State, Zip: _____

Phone: _____ Fax: _____ Email: _____

If another utility will serve any portion of the proposed project, provide the name and PWSID No.

Utility Name: _____ PWSID No. _____

If the utility serving the project purchases water from another utility, provide the name and PWSID No. and purchase contract amount.

Utility Name: _____ PWSID No. _____ Purchase Contract Amount: _____

Utility Name: _____ PWSID No. _____ Purchase Contract Amount: _____

Utility Name: _____ PWSID No. _____ Purchase Contract Amount: _____

Is the system currently under any type of waterline or sewer sanctions? _____

- ☐ If yes, submit an exception request and attach supporting documentation to justify its approval.

III. Design Considerations

A. Plans and Specifications

Plans and specifications shall comply with **401 KAR 8:100** and “**Recommended Standards for Water Works**” (**Ten States’ Standards**). All plans must contain a P.E. seal, signature and date of signature with at least one set having an original seal and signature.

Plans and specifications submittals shall meet one of the following options:

- ☐ At least **two** printed sets of detailed plans (**no larger than 24” X 36”**) and a PDF copy of the plans and specifications on CD/DVD. The PDF copy shall contain a PE seal, signature and date. The plans on the CD/DVD shall be in a folder named “Engineering Plans” and the specifications manual shall be in a folder named “Specifications”.
(preferred)
- ☐ At least **2** printed sets of detailed plans (**one shall be no larger than 24” X 36” and the other set shall be 11” X 17”**) and **one** printed copy of the specifications manual.

B. Design Engineer

Name: _____ Firm: _____

Street Address: _____

City, State, Zip: _____

Phone #: _____ Fax #: _____ Email: _____

Design Capacities

Identify the number of new connections and the projected average daily demand: _____

Identify the number of existing residents, and their projected water demand, that may be served as a result of this project:

Identify the number of connections in the service area: _____

Other Information to be Submitted with the Project

- ☐ 1. Provide a copy of the U.S.G.S. 7 ½ minute topographic map with the location(s) of the proposed project.
- ☐ 2. If the project includes a new or upgraded pump station(s), provide the pump sizing calculations and the proposed pump's characteristics curve along with the efficiency, horsepower and NPSHR data. Also, identify each pump station's locations coordinates (DMS).
- ☐ 3. If the project proposes the addition of storage tanks, provide engineering calculations which demonstrates a complete fill and drain cycle every 72 hours. Also, identify each storage tank's location coordinates (DMS).
- ☐ 4. Provide engineering calculations or an electronic model demonstrating the availability of 30 psig in the waterline under peak demand conditions.
- ☐ 5. Provide engineering calculations or an electronic model that demonstrates if the proposed waterlines are capable of a 2.5 ft/sec flow velocity and show associated residual system pressures.
- ☐ 6. Provide a signed letter of acceptance from the utility, which states that the utility has reviewed and approved the plans and specifications and agrees to serve the proposed project upon completion. If another utility will own, operate and maintain any portion of this project provide an acceptance letter from that utility as well.
- ☐ 7. If the utility is a purchaser and the project demand is over 10,000 gallons per day or the utility has exceeded 85% of its purchase contract, provide a valid acceptance letter from the seller.
- ☐ 8. If the project will provide water service to existing residences, provide the names and addresses of all existing residences to be served by the project, if known.
- ☐ 9. If the project is funded by a State Revolving Fund Loan (SRF) provide a completed SRF Plans and Specifications Checklist along with 1 complete printed copy of the project specifications.

IV. Environmental Benefits

Identify the environmental benefit(s) of the project by checking all that apply.

- ☐ Construction of new waterlines serving existing residences previously without public water.
- ☐ Modifies/upgrades existing waterlines:
 - ☐ Inadequately sized waterlines.
 - ☐ Leaks, breaks, restrictive flow.
 - ☐ Replaces lead, copper or asbestos cement waterlines.
 - ☐ Other: _____
- ☐ Provides fire protection.
- ☐ Replaces tanks/pumps due to age/condition.
- ☐ Installation of high efficiency/energy saving pumps.
- ☐ Other. Provide a brief description in the space below. _____

V. Fees

Check or money order must be made payable to “Kentucky State Treasurer” for the total amount. Fees do not apply to projects FUNDED by a municipality, water district, or other publicly owned utility.

Project Category: _____ Total Amount: \$ _____